

**INTEGRATED RESOURCE PLAN (IRP)**

Date: July 1, 2008

IRPs shall consider all reasonable opportunities to meet future energy resource requirements using Demand Side Management techniques, new renewable resources and other programs that will provide retail consumers with electricity at the lowest possible costs, and minimize, to the extent practicable, adverse environmental effects.

To meet your Integrated Resource Planning reporting requirement, complete the following. Unaddressed items will be deemed incomplete and not eligible for approval. Western reserves the right to require customers to provide any supporting back-up data used to support and develop this report.

**Customer Contact Information:**

(Provide contact information for your organization. Contact person should be able to answer questions concerning the plan)

<b>Customer Name:</b>	<b>Sacramento County Economic Development at McClellan</b>
<b>Address:</b>	<b>3331 Peacekeeper Way, McClellan, CA 95652</b>
<b>Contact Person:</b>	<b>Kathy Broderick</b>
<b>Title:</b>	<b>Senior Reuse &amp; Environmental Coordinator</b>
<b>Phone Number:</b>	<b>916-646-9552</b>
<b>E-Mail Address:</b>	<b>broderickk@saccounty.net</b>
<b>Website:</b>	<b>http://www.economic.saccounty.net/McClellan/default.htm</b>

**Type of Customer:**

(Check one as applicable)

<input checked="" type="checkbox"/>	<b>Municipal – County of Sacramento</b>
<input type="checkbox"/>	<b>State</b>
<input type="checkbox"/>	<b>Federal</b>
<input type="checkbox"/>	<b>Irrigation District</b>
<input type="checkbox"/>	<b>Water District</b>
<input type="checkbox"/>	<b>Other (Specify) _____</b>

**Capacity and Energy Data for Previous 5 Years:**

(Provide peak demand and total energy for past 5 years. Western can assist with obtaining this data if needed)

<b>Calendar Year</b>	<b>Peak Demand (kW)</b>	<b>Total Energy (kWh)</b>
<b>2003</b>	<b>14,953</b>	<b>74,346,657</b>
<b>2004</b>	<b>15,092</b>	<b>72,255,528</b>
<b>2005</b>	<b>16,497</b>	<b>82,633,347</b>
<b>2006</b>	<b>16,755</b>	<b>85,216,201</b>
<b>2007</b>	<b>17,626</b>	<b>90,803,131</b>

**Identification of Resource Options** (considerations that may be used to develop potential options include cost, market potential, consumer preferences, environmental impacts, demand or energy impacts, implementation issues, revenue impacts, and commercial availability):

**Supply-side Options:**

(Including, but not limited to: purchase power contracts and conventional and renewable generation)

<b>List existing supply-side options:</b>	<b>List future supply-side resource options considered and evaluated:</b>
Sacramento Municipal Utility District	Solar Panels

**Demand-side Options:**

<b>List existing demand-side options:</b>	<b>List future demand-side resource options considered and evaluated:</b>
Occupancy Sensors	Occupancy Sensors
Lighting Retrofits	Lighting Retrofits
HVAC Replacement	HVAC Replacement
Chiller Replacement	Chiller Replacement
Lighting Retrofit Key Assets	Lighting Retrofit Key Assets

**Resource Options Chosen:**

(Provide a narrative statement that describes the option chosen and clearly demonstrates that decisions were based on a reasonable analysis of the options)

The County of Sacramento serves one load, the McClellan Business Park, formerly occupied by McClellan Air Force Base. McClellan Air Force Base was the original recipient of an allocation of power from Western. In 1995 President Clinton accepted the BRAC Commission recommendation that McClellan be closed providing assurances, however, that McClellan would be allowed the opportunity to "privatize in place." When McClellan Air Force Base was officially closed in July 2001, the County of Sacramento applied for and received the allocation of power formerly delivered to McClellan Air Force (under the National Defense Authorization Act) to assist in the economic transition from an air force base to civilian business. Together with the Western allocation of power, the Sacramento Municipal Utility District (SMUD) was the County's only other feasible resource option.

The McClellan Business Park is located within the County of Sacramento and is comprised of approximately 2,856 acres formerly occupied by McClellan Air Force Base. The McClellan Business Park's elevation is less than 100 feet and is in a Mediterranean climate which has hot summers and cool, wet winters. Therefore, the load peaks in the summer months. Since McClellan Business Park has been very active in trying to attract business activities into the park, the load has been increasing at a fairly rapid rate since the transition from an air force base to private industry. The main business activities are the core airfield/industrial district, Freedom Park Lions Hotel and Conference Center, light industry, manufacturing, and warehousing. There are over 10 million square feet of buildings in the park and McClellan continues to lease that

space to new businesses.

SMUD provides power to the entire County load, McClellan Business Park, and invoices the business park just like any other SMUD customer. Western delivers the County's power to SMUD and SMUD credits the County for the power delivered by Western. The credit that the County receives from SMUD, after deducting Western expenses, is used to purchase and install various energy saving investments at McClellan Business Park.

McClellan Business Park is aggressively trying to redevelop the former McClellan Air Force Base by attracting various businesses into the park. One of its new tenants builds and installs solar panels and the McClellan Business Park is also providing space for the installation of these panels. The panels will be used to assist in meeting the load at McClellan.

### Action Plan:

#### Specific Action Items to be Implemented Over the Next 5 Years:

(Lists are not meant to be inclusive, complete and provide other action items as applicable)

#### Energy Consumption Improvements:

Proposed Items	Begin Date	End Date	Est. kW capacity savings per year	Est. kWh savings per year	Milestones to evaluate accomplishments
Boiler, Furnace, air conditioning retrofits	2008	2012	253	913,680	Installation of equipment
Weatherization, insulation					
storm windows/doors					
Insulation of air ducts, boilers, pipes, etc.					
Clock thermostats and equipment system timers					
Heat pumps					
Energy audits					
Public education programs					
Loan arrangements or rebate program for energy efficient equipment					
Use of infrared heat detection equipment					
Energy efficient lighting	2008	2012	95.9	345,204	Installation of equipment
Equipment inspection programs					
Electric motor replacements					
Upgrading of distribution lines/substation equipment					
Power factor improvement					
Other:					

Photovoltaic pumping systems					
Ditch lining or piping					
Laser land leveling					
Pumpback systems					
Water conservation programs					
Other:					

### **Environmental Effects:**

(Provide a narrative statement that sets forth the efforts taken to minimize adverse environmental effects of new resource acquisitions)

Since SMUD is the sole resource supplier for the park, each individual tenant selects its load management technique from the options provided by SMUD. Each tenant also selects the rate design it will utilize from SMUD. There are no agricultural tenants in the park.

### **Public Participation:**

(Customers must provide ample opportunity for full public participation in preparing and developing an IRP. Provide a brief description of public involvement activities, including how information was gathered from the public, how public concerns were identified, how information was shared with the public, and how it responded to the public comments)

The Board of Supervisors is the governing body of the County of Sacramento. There are five members of the Board and each represents one of five Districts. Board members, in partnership with County staff, work to ensure the delivery of services and programs essential to the continued prosperity of the Sacramento County region.

Within the limits of state law and county charter, the Board is empowered to adopt ordinances, establish programs, levy taxes, appropriate funds, appoint certain officials, and zone property in the unincorporated area. In addition, members of the Board represent the County on numerous intergovernmental bodies.

The five members of the Board are elected on a non-partisan basis to serve four-year terms. Each is elected from one of the five supervisorial districts of the County. District boundaries are adjusted after every federal census to equalize district population.

At the beginning of each year, the Board chooses from its members a Chairperson and a Vice-Chairperson to serve during the ensuing year. The Chairperson presides at Board meetings and signs documents in the name of the County. The Vice-Chairperson substitutes when the Chairperson is absent.

The Board utilizes many citizen committees and commissions to aid them in governing county operations.

The Board of Supervisors meets weekly to discuss all matters in the County, including any issues associated with McClellan Business Park.

**Future Energy Service Projections:**

(Provide a load forecast to show expected growth or expansion; or a narrative statement concerning expected future growth)

Calendar Year	Peak Demand (kW)	Total Energy (kWh)
2009	17,800	90,406,000
2010	18,300	93,118,000
2011	18,900	95,912,000
2012	19,400	98,789,000
2013	19,900	101,753,000

or Narrative Statement:

The County of Sacramento's energy growth was approximately 17% between 2003 and 2007. Energy projection growth for 2009 through 2013 was compounded at a rate of 3% per year.

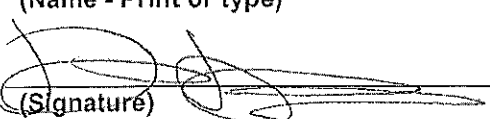
**Measurement Strategies:**

(Provide a brief description of measurement strategies for options identified in the IRP to determine whether the IRP's objectives are being met. These validation methods must include identification of the baseline from which a customer will measure the benefits of its IRP implementation)

The points of delivery of power from SMUD to the McClellan Business Park where the power is metered are the Haggin, Bell, and ADC substations. The County does not have individual meters that can measure the exact savings incurred with the installation of energy efficient equipment. Thus, once the equipment is installed the County uses the efficiency saving guidelines contained in the California Energy Commission Data Base for Energy Efficient Resources to calculate the savings.

**IRP Approval:**

(Indicate that all of the IRP requirements have been met by having the responsible official sign below; or provide documentation that the IRP has been approved by the appropriate governing body)

Kathryn L Broderick	Senior Environmental + Redevelopment
(Name - Print or type)	(Title) Coordinator
	7/1/08
(Signature)	(Date)

**Other Information:**

(Provide/attach additional information if necessary)